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OM protein - protein search, using sw model

Run on: February 16, 2005, 16:26:39 ; Search time 32.0033 Seconds
(without alignments)
2235.960 Million cell updates/sec

Title: US-10-003-356-2

Perfect score: 1138

Sequence: 1 MFERRKQDEGPGIHEFLAF.....RVIASDKIQKAVVKRIQHF 219

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1376875 seqs, 326749119 residues

Total number of hits satisfying chosen parameters: 1376875

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	1138	100.0	219	13 US-10-003-356-2	Sequence 2, Appli
2	1138	100.0	755	15 US-10-292-798-450	Sequence 450, App
3	1138	100.0	927	13 US-10-003-356-8	Sequence 8, Appli
4	740	65.0	912	15 US-10-436-715-84	Sequence 84, Appl
5	362	31.8	940	14 US-10-159-339-11	Sequence 11, Appl
6	362	31.8	940	15 US-10-041-615-106	Sequence 106, App
7	362	31.8	940	15 US-10-436-715-27	Sequence 27, Appl
8	362	31.8	940	15 US-10-436-715-76	Sequence 76, Appl
9	360	31.6	940	15 US-10-041-615-107	Sequence 107, App
10	354	31.1	850	14 US-10-125-792-12	Sequence 12, Appl
11	354	31.1	850	14 US-10-125-778-12	Sequence 12, Appl
12	354	31.1	850	14 US-10-125-772-12	Sequence 12, Appl
13	354	31.1	850	15 US-10-410-885-12	Sequence 12, Appl

14	354	31.1	941	14	US-10-125-792-8	Sequence 8, Appli
15	354	31.1	941	14	US-10-125-792-10	Sequence 10, Appl
16	354	31.1	941	14	US-10-125-778-8	Sequence 8, Appli
17	354	31.1	941	14	US-10-125-778-10	Sequence 10, Appl
18	354	31.1	941	14	US-10-125-772-8	Sequence 8, Appli
19	354	31.1	941	14	US-10-125-772-10	Sequence 10, Appl
20	354	31.1	941	15	US-10-410-885-8	Sequence 8, Appli
21	354	31.1	941	15	US-10-410-885-10	Sequence 10, Appl
22	354	31.1	941	15	US-10-410-885-14	Sequence 14, Appl
23	353	31.0	867	15	US-10-179-373-19	Sequence 19, Appl
24	353	31.0	867	16	US-10-725-103-19	Sequence 19, Appl
25	353	31.0	867	16	US-10-725-489-19	Sequence 19, Appl
26	353	31.0	867	16	US-10-725-080A-19	Sequence 19, Appl
27	353	31.0	867	16	US-10-725-472A-19	Sequence 19, Appl
28	353	31.0	975	14	US-10-346-241-4	Sequence 4, Appli
29	353	31.0	1027	14	US-10-125-792-2	Sequence 2, Appli
30	353	31.0	1027	14	US-10-125-778-2	Sequence 2, Appli
31	353	31.0	1027	14	US-10-268-051-8	Sequence 8, Appli
32	353	31.0	1027	14	US-10-125-772-2	Sequence 2, Appli
33	353	31.0	1027	14	US-10-016-496-2	Sequence 2, Appli
34	353	31.0	1027	15	US-10-410-885-2	Sequence 2, Appli
35	353	31.0	1078	9	US-09-727-205-2	Sequence 2, Appli
36	353	31.0	1078	13	US-10-002-854-2	Sequence 2, Appli
37	353	31.0	1078	14	US-10-225-567A-118	Sequence 118, App
38	353	31.0	1078	14	US-10-159-339-8	Sequence 8, Appli
39	353	31.0	1078	15	US-10-436-715-22	Sequence 22, Appl
40	353	31.0	1078	15	US-10-436-715-74	Sequence 74, Appl
41	353	31.0	1078	15	US-10-416-588-3	Sequence 3, Appli
42	353	31.0	1078	16	US-10-408-765A-171	Sequence 171, App
43	353	31.0	1088	15	US-10-673-888-1	Sequence 1, Appli
44	353	31.0	1219	14	US-10-300-473-6	Sequence 6, Appli
45	352	30.9	1002	15	US-10-393-347-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1

US-10-003-356-2
; Sequence 2, Application US/10003356
; Publication No. US20020146418A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; TITLE OF INVENTION: Human V2 Vomeronasal Receptor
; FILE REFERENCE: 00-107
; CURRENT APPLICATION NUMBER: US/10/003,356
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/252,373
; PRIOR FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 219
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-003-356-2

Query Match	100.0%	Score 1138;	DB 13;	Length 219;
Best Local Similarity	100.0%	Pred. No. 8.1e-120;		
Matches 219;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MFERRKQDEGPGIHEFLAF	1	MFERRKQDEGPGIHEFLAF
Db	1	MFERRKQDEGPGIHEFLAF	1	MFERRKQDEGPGIHEFLAF
QY	61	IDSRTPANESILEPASA	61	IDSRTPANESILEPASA
Db	61	IDSRTPANESILEPASA	61	IDSRTPANESILEPASA
QY	121	CFTISKSVEANVLFTGQ	121	CFTISKSVEANVLFTGQ
Db	121	CFTISKSVEANVLFTGQ	121	CFTISKSVEANVLFTGQ

QY 181 GYTSTCVILSDKYQPPSYLRVIASDKIOSKAVVKRIQHF 219
 Db 181 GYTSTCVILSDKYQPPSYLRVIASDKIOSKAVVKRIQHF 219

RESULT 2

US-10-292-798-450
 ; Sequence 450, Application US/10292798
 ; Publication No. US20030235833A1
 ; GENERAL INFORMATION:
 ; APPLICANT: SUWA, MAKIKO
 ; APPLICANT: ASAI, KIYOSHI
 ; APPLICANT: AKIYAMA, YUTAKA
 ; APPLICANT: ABURATANI, HIROYUKI
 ; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
 ; FILE OF INVENTION: 084335/166
 ; CURRENT APPLICATION NUMBER: US/10/292,798
 ; PRIOR FILING DATE: 2002-11-13
 ; PRIOR APPLICATION NUMBER: 10/017,161
 ; PRIOR FILING DATE: 2001-12-18
 ; PRIOR APPLICATION NUMBER: JP 2001-246789
 ; PRIOR FILING DATE: 2001-06-18
 ; NUMBER OF SEQ ID NOS: 2070
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 450
 ; LENGTH: 755
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-292-798-450

Query Match 100.0%; Score 1138; DB 15; Length 755;
 Best Local Similarity 100.0%; Pred. No. 4.7e-119;
 Matches 219; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MFERKEQDEGPGIHEFLAFLWAEIAGSEAKEKEEERTCRLGKCVDAENHSLVIGLFP 60
 Db 1 MFERKEQDEGPGIHEFLAFLWAEIAGSEAKEKEEERTCRLGKCVDAENHSLVIGLFP 60
 QY 61 IDSRTIPANESILEPASAKCEGFNFRWKAMIHMIKEINKRKDILPNTILGYQIFDT 120
 Db 61 IDSRTIPANESILEPASAKCEGFNFRWKAMIHMIKEINKRKDILPNTILGYQIFDT 120
 QY 121 CFTTISKSVEAVLVTGQENRPNFNSTGAPFAGIVGAGGSFLSPASRILGLYLPOV 180
 Db 121 CFTTISKSVEAVLVTGQENRPNFNSTGAPFAGIVGAGGSFLSPASRILGLYLPOV 180
 QY 181 GYTSTCVILSDKYQPPSYLRVIASDKIOSKAVVKRIQHF 219
 Db 181 GYTSTCVILSDKYQPPSYLRVIASDKIOSKAVVKRIQHF 219

RESULT 3

US-10-003-356-8
 ; Sequence 8, Application US/10003356
 ; Publication No. US20020146418A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lok, Si
 ; APPLICANT: Holloway, James L.
 ; TITLE OF INVENTION: Human V2 Vomeronasal Receptor
 ; FILE OF INVENTION: 00-107
 ; CURRENT APPLICATION NUMBER: US/10/003,356
 ; PRIOR FILING DATE: 2001-11-15
 ; PRIOR APPLICATION NUMBER: 60/252,373
 ; PRIOR FILING DATE: 2000-11-21
 ; NUMBER OF SEQ ID NOS: 10
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 8
 ; LENGTH: 927
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Chimeric receptor.

US-10-003-356-8

Query Match 100.0%; Score 1138; DB 13; Length 927;
 Best Local Similarity 100.0%; Pred. No. 6.4e-119;
 Matches 219; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MFERKEQDEGPGIHEFLAFLWAEIAGSEAKEKEEERTCRLGKCVDAENHSLVIGLFP 60
 Db 1 MFERKEQDEGPGIHEFLAFLWAEIAGSEAKEKEEERTCRLGKCVDAENHSLVIGLFP 60
 QY 61 IDSRTIPANESILEPASAKCEGFNFRWKAMIHMIKEINKRKDILPNTILGYQIFDT 120
 Db 61 IDSRTIPANESILEPASAKCEGFNFRWKAMIHMIKEINKRKDILPNTILGYQIFDT 120
 QY 121 CFTTISKSVEAVLVTGQENRPNFNSTGAPFAGIVGAGGSFLSPASRILGLYLPOV 180
 Db 121 CFTTISKSVEAVLVTGQENRPNFNSTGAPFAGIVGAGGSFLSPASRILGLYLPOV 180
 QY 181 GYTSTCVILSDKYQPPSYLRVIASDKIOSKAVVKRIQHF 219
 Db 181 GYTSTCVILSDKYQPPSYLRVIASDKIOSKAVVKRIQHF 219

RESULT 4

US-10-436-715-84
 ; Sequence 84, Application US/10436715
 ; Publication No. US20040018976A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bristol-Myers Squibb Company
 ; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,
 ; FILE OF INVENTION: AND SPLICE VARIANTS THEREOF
 ; FILE REFERENCE: D0262 NP
 ; CURRENT APPLICATION NUMBER: US/10/436,715
 ; PRIOR FILING DATE: 2003-05-13
 ; PRIOR APPLICATION NUMBER: U.S. 60/380,336
 ; PRIOR FILING DATE: 2002-05-14
 ; NUMBER OF SEQ ID NOS: 471
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 84
 ; LENGTH: 912
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-10-436-715-84

Query Match 65.0%; Score 740; DB 15; Length 912;
 Best Local Similarity 69.7%; Pred. No. 5.8e-74;
 Matches 145; Conservative 25; Mismatches 30; Indels 8; Gaps 2;

QY 17 FLAFLWAEIAGSEAKEKEEERTCRLGK-----CVDAENHSLVIGLFPIDSRIPANES 71
 Db 12 FLAFLWAEIAGSEAKEKEEERTCRLGK-----CVDAENHSLVIGLFPIDSRIPANES 68
 QY 72 ILEPASAKCEGFNFRWKAMIHMIKEINKRKDILPNTILGYQIFDTCFTTISKSVEAV 131
 Db 69 ILEVPSPMCEGFNFRWKMTIHTKEINKRKDILPNTILGYQIFDSCYTTISKAMESS 128
 QY 132 LVFLTGQENRPNFNSTGAPFAGIVGAGGSFLSPASRILGLYLPOVGYTSTCVILSD 191
 Db 129 LVFLTGQEEFENRPNFNSTGTLAALVGGSSLSVAASRILGLYMPQVGYTSSCSILSD 188
 QY 192 KYQPPSYLRVIASDKIOSKAVVKRIQHF 219
 Db 189 KYQPPSYLRVLPSDNLQSEAVNLKHF 216

RESULT 5

US-10-159-339-11
 ; Sequence 11, Application US/10159339
 ; Publication No. US20030166540A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bristol-Myers Squibb Company
 ; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR,
 ; OTHER INFORMATION: HGPBMY30

FILE REFERENCE: D0169NP
CURRENT APPLICATION NUMBER: US/10/159,339
CURRENT FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: US 60/294,411
PRIOR FILING DATE: 2001-05-30
NUMBER OF SEQ ID NOS: 94
SOFTWARE: Patentin version 3.1
SEQ ID NO 11
LENGTH: 940
TYPE: PRT
ORGANISM: FUGU RUBRIPES
US-10-159-339-11

Query Match 31.8%; Score 362; DB 14; Length 940;
Best Local Similarity 42.8%; Pred. No. 3.1e-31;
Matches 74; Conservative 37; Mismatches 56; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI--LEPASAKCEGPNQFRWKMAMHMIKEINKKIDILPNI 111
DB 33 ILGGLFPFHFGISSKDENLAARPESTKCVRFNFRGRWLQAMVFAIEBINSSLLPNI 92
QY 112 TLGYQIFDTCFTTISKVAVLVLTCQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
DB 93 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHIPATIAVVGAGSAVST 152
QY 167 PASRIILGLYLPQVGYTSTCVILSDKYQPPSYLRVIASDKIQSKAVVVKRIQHF 219
DB 153 AVANLLSLFYIPQISYASSSRLSNKNQYKSFMTIPTDEHQATAMADVIEYP 205

RESULT 6
US-10-041-615-106
Sequence 106, Application US/10041615
Publication No. US20040014038A1
GENERAL INFORMATION:
APPLICANT: Caeman, Stacie J
APPLICANT: Edinger, Shlomit R
APPLICANT: Ellerman, Karen
APPLICANT: Smithson, Glennda
APPLICANT: Kekuda, Ramesh
APPLICANT: Padigaru, Muralidhara
TITLE OF INVENTION: No. US20040014038A1el GPCR-Like Proteins and Nucleic Acids Encodi
FILE REFERENCE: 21402-233-061
CURRENT APPLICATION NUMBER: US/10/041,615
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: 60/259,552
PRIOR FILING DATE: 2001-01-03
PRIOR APPLICATION NUMBER: 60/260,544
PRIOR FILING DATE: 2001-01-09
PRIOR APPLICATION NUMBER: 60/277,405
PRIOR FILING DATE: 2001-03-20
NUMBER OF SEQ ID NOS: 174
SOFTWARE: CuraSeqlist version 0.1
SEQ ID NO 106
LENGTH: 940
TYPE: PRT
ORGANISM: Takifugu rubripes
US-10-041-615-106

Query Match 31.8%; Score 362; DB 15; Length 940;
Best Local Similarity 42.8%; Pred. No. 3.1e-31;
Matches 74; Conservative 37; Mismatches 56; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI--LEPASAKCEGPNQFRWKMAMHMIKEINKKIDILPNI 111
DB 33 ILGGLFPFHFGISSKDENLAARPESTKCVRFNFRGRWLQAMVFAIEBINSSLLPNI 92
QY 112 TLGYQIFDTCFTTISKVAVLVLTCQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
DB 93 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHIPATIAVVGAGSAVST 152
QY 167 PASRIILGLYLPQVGYTSTCVILSDKYQPPSYLRVIASDKIQSKAVVVKRIQHF 219

DB 153 AVANLLSLFYIPQISYASSSRLSNKNQYKSFMTIPTDEHQATAMADVIEYP 205

RESULT 7
US-10-436-715-27
Sequence 27, Application US/10436715
Publication No. US20040018976A1
GENERAL INFORMATION:
APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,
TITLE OF INVENTION: AND SPLICE VARIANTS THEREOF
FILE REFERENCE: D0262 NP
CURRENT APPLICATION NUMBER: US/10/436,715
CURRENT FILING DATE: 2003-05-13
PRIOR APPLICATION NUMBER: U.S. 60/380,336
PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 471
SOFTWARE: Patentin version 3.2
SEQ ID NO 27
LENGTH: 940
TYPE: PRT
ORGANISM: Fugu rubripes
US-10-436-715-27

Query Match 31.8%; Score 362; DB 15; Length 940;
Best Local Similarity 42.8%; Pred. No. 3.1e-31;
Matches 74; Conservative 37; Mismatches 56; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI--LEPASAKCEGPNQFRWKMAMHMIKEINKKIDILPNI 111
DB 33 ILGGLFPFHFGISSKDENLAARPESTKCVRFNFRGRWLQAMVFAIEBINSSLLPNI 92
QY 112 TLGYQIFDTCFTTISKVAVLVLTCQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
DB 93 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHIPATIAVVGAGSAVST 152
QY 167 PASRIILGLYLPQVGYTSTCVILSDKYQPPSYLRVIASDKIQSKAVVVKRIQHF 219
DB 153 AVANLLSLFYIPQISYASSSRLSNKNQYKSFMTIPTDEHQATAMADVIEYP 205

RESULT 8
US-10-436-715-76
Sequence 76, Application US/10436715
Publication No. US20040018976A1
GENERAL INFORMATION:
APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,
TITLE OF INVENTION: AND SPLICE VARIANTS THEREOF
FILE REFERENCE: D0262 NP
CURRENT APPLICATION NUMBER: US/10/436,715
CURRENT FILING DATE: 2003-05-13
PRIOR APPLICATION NUMBER: U.S. 60/380,336
PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 471
SOFTWARE: Patentin version 3.2
SEQ ID NO 76
LENGTH: 940
TYPE: PRT
ORGANISM: Fugu rubripes
US-10-436-715-76

Query Match 31.8%; Score 362; DB 15; Length 940;
Best Local Similarity 42.8%; Pred. No. 3.1e-31;
Matches 74; Conservative 37; Mismatches 56; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI--LEPASAKCEGPNQFRWKMAMHMIKEINKKIDILPNI 111
DB 33 ILGGLFPFHFGISSKDENLAARPESTKCVRFNFRGRWLQAMVFAIEBINSSLLPNI 92
QY 112 TLGYQIFDTCFTTISKVAVLVLTCQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
DB 93 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHIPATIAVVGAGSAVST 152

QY 167 PASRILGLYLPOGVYTCVILSDKYQFPSPYLRVIASDKIOSKAVVKRIQHF 219
Db 153 AVANLLGLFYIPQISYASSRLLSNKNQYKSFMRPTIPTDEHQATAMADIYF 205

RESULT 9
US-10-041-615-107
; Sequence 107, Application US/10041615
; Publication No. US20040014038A1
; GENERAL INFORMATION:
; APPLICANT: Casman, Stacie J
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Ellerman, Karen
; APPLICANT: Smithson, Glenda
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: No. US20040014038A1el GPCR-Like Proteins and Nucleic Acids Encod
; FILE REFERENCE: 21402-233-061
; CURRENT APPLICATION NUMBER: US/10/041,615
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: 60/259,552
; PRIOR FILING DATE: 2001-01-03
; PRIOR APPLICATION NUMBER: 60/260,544
; PRIOR FILING DATE: 2001-01-09
; PRIOR APPLICATION NUMBER: 60/277,405
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 107
; LENGTH: 940
; TYPE: PRT
; ORGANISM: Sparus aurata
US-10-041-615-107

Query Match 31.6%; Score 360; DB 15; Length 940;
Best Local Similarity 42.8%; Pred. No. 5.2e-31;
Matches 74; Conservative 36; Mismatches 57; Indels 6; Gaps 3;
QY 53 LVIGGLFPIDSRTPANESI--LEPASAKCEGFNFORFRWKAMHMKIENKRDILPNI 111
Db 32 ILLGGLFPIHGVASKQDLAARESSQCVRFNFRGFWLQAMIFAIEEINNSSTLLPNI 91
QY 112 TLGQIYFDTCFTTISKVAVLVTGQE---ENRPNFRNSTGAPPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHIPSTIAVVGASGAVST 151
QY 167 PASRILGLYLPOGVYTCVILSDKYQFPSPYLRVIASDKIOSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQYKSFMRPTIPTDEHQATAMADIIEFF 204

RESULT 10
US-10-125-792-12
; Sequence 12, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
; APPLICANT: Marical
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213-1006-007
; CURRENT APPLICATION NUMBER: US/10/125,792
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; PRIOR FILING DATE: 2000-10-12

; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 12
; LENGTH: 850
; TYPE: PRT
; ORGANISM: Salmo salar
US-10-125-792-12

Query Match 31.1%; Score 354; DB 14; Length 850;
Best Local Similarity 41.6%; Pred. No. 2.2e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;
QY 53 LVIGGLFPIDSRTPANESI--LEPASAKCEGFNFORFRWKAMHMKIENKRDILPNI 111
Db 32 ILLGGLFPIHGVASKQDLAAREPSTECVRYNFRGFWLQAMIFAIEEINNSSTLLPNI 91
QY 112 TLGQIYFDTCFTTISKVAVLVTGQE---ENRPNFRNSTGAPPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHIPSTIAVVGASGAVST 151
QY 167 PASRILGLYLPOGVYTCVILSDKYQFPSPYLRVIASDKIOSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQYKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 11
US-10-125-778-12
; Sequence 12, Application US/10125778
; Publication No. US20030082574A1
; GENERAL INFORMATION:
; APPLICANT: Marical
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213-1006-005
; CURRENT APPLICATION NUMBER: US/10/125,778
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 12
; LENGTH: 850
; TYPE: PRT
; ORGANISM: Salmo salar
US-10-125-778-12

Query Match 31.1%; Score 354; DB 14; Length 850;
Best Local Similarity 41.6%; Pred. No. 2.2e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;
QY 53 LVIGGLFPIDSRTPANESI--LEPASAKCEGFNFORFRWKAMHMKIENKRDILPNI 111
Db 32 ILLGGLFPIHGVASKQDLAAREPSTECVRYNFRGFWLQAMIFAIEEINNSSTLLPNI 91
QY 112 TLGQIYFDTCFTTISKVAVLVTGQE---ENRPNFRNSTGAPPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHIPSTIAVVGASGAVST 151
QY 167 PASRILGLYLPOGVYTCVILSDKYQFPSPYLRVIASDKIOSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQYKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 12
US-10-125-772-12

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; Sequence 12, Application US/10125772
; Publication No. US20030124657A1
; GENERAL INFORMATION:
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-006
; CURRENT APPLICATION NUMBER: US/10/125,772
; CURRENT FILING DATE: 2002-08-16
; PRIOR FILING DATE: 2002-04-11
; PRIOR FILING DATE: 2001-10-11
; PRIOR FILING DATE: 2001-10-11
; PRIOR FILING DATE: 2000-10-12
; PRIOR FILING DATE: 2000-10-12
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 850
; TYPE: PRT
; ORGANISM: Salmo salar
; US-10-125-772-12

Query Match      31.1%; Score 354; DB 14; Length 850;
Best Local Similarity 41.6%; Pred. No. 2.2e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI-LEPASAKCEGFNFRMWMKAMIHMIKEINKRKDILPNI 111
Db 32 ILGLGLFPMHFGVTSKDQDLAARPESTECVRYNFRGFRWLQAMIFAIBEINNSSTLLPNI 91
QY 112 TLGYQIFDTCFTTISKSVEAVLVLTQOE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHPSTIAVVGASGSAVST 151
QY 167 PASRIILGLYLPQVGTSTCVILSDKYOPPSYLRVIASDKIOSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQPKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 13
US-10-410-885-12
; Sequence 12, Application US/10410885
; Publication No. US20030232366A1
; GENERAL INFORMATION:
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-008
; CURRENT APPLICATION NUMBER: US/10/410,885
; CURRENT FILING DATE: 2003-04-09
; PRIOR FILING DATE: 2003-04-09
; PRIOR FILING DATE: 2002-04-18
; PRIOR FILING DATE: 2002-04-18
; PRIOR FILING DATE: 2002-04-18
; PRIOR FILING DATE: 2002-04-18
; PRIOR FILING DATE: 2002-04-11
; PRIOR FILING DATE: 2001-10-11
; PRIOR FILING DATE: 2000-10-12
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 12

Query Match      31.1%; Score 354; DB 14; Length 850;
Best Local Similarity 41.6%; Pred. No. 2.2e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI-LEPASAKCEGFNFRMWMKAMIHMIKEINKRKDILPNI 111
Db 32 ILGLGLFPMHFGVTSKDQDLAARPESTECVRYNFRGFRWLQAMIFAIBEINNSSTLLPNI 91
QY 112 TLGYQIFDTCFTTISKSVEAVLVLTQOE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHPSTIAVVGASGSAVST 151
QY 167 PASRIILGLYLPQVGTSTCVILSDKYOPPSYLRVIASDKIOSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQPKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 14
US-10-125-792-8
; Sequence 8, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
; APPLICANT: MariCal
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-007
; CURRENT APPLICATION NUMBER: US/10/125,792
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 941
; TYPE: PRT
; ORGANISM: Salmo salar
; US-10-125-792-8

Query Match      31.1%; Score 354; DB 14; Length 941;
Best Local Similarity 41.6%; Pred. No. 2.5e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI-LEPASAKCEGFNFRMWMKAMIHMIKEINKRKDILPNI 111
Db 32 ILGLGLFPMHFGVTSKDQDLAARPESTECVRYNFRGFRWLQAMIFAIBEINNSSTLLPNI 91
QY 112 TLGYQIFDTCFTTISKSVEAVLVLTQOE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHPSTIAVVGASGSAVST 151
QY 167 PASRIILGLYLPQVGTSTCVILSDKYOPPSYLRVIASDKIOSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQPKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 15
US-10-125-792-10
; Sequence 10, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
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; Sequence 12, Application US/10125772
; Publication No. US20030124657A1
; GENERAL INFORMATION:
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-006
; CURRENT APPLICATION NUMBER: US/10/125,772
; CURRENT FILING DATE: 2002-08-16
; PRIOR FILING DATE: 2002-04-11
; PRIOR FILING DATE: 2001-10-11
; PRIOR FILING DATE: 2001-10-11
; PRIOR FILING DATE: 2000-10-12
; PRIOR FILING DATE: 2000-10-12
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 850
; TYPE: PRT
; ORGANISM: Salmo salar
; US-10-125-772-12

Query Match      31.1%; Score 354; DB 14; Length 850;
Best Local Similarity 41.6%; Pred. No. 2.2e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI-LEPASAKCEGFNFRMWMKAMIHMIKEINKRKDILPNI 111
Db 32 ILGLGLFPMHFGVTSKDQDLAARPESTECVRYNFRGFRWLQAMIFAIBEINNSSTLLPNI 91
QY 112 TLGYQIFDTCFTTISKSVEAVLVLTQOE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHPSTIAVVGASGSAVST 151
QY 167 PASRIILGLYLPQVGTSTCVILSDKYOPPSYLRVIASDKIOSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQPKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 13
US-10-410-885-12
; Sequence 12, Application US/10410885
; Publication No. US20030232366A1
; GENERAL INFORMATION:
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-008
; CURRENT APPLICATION NUMBER: US/10/410,885
; CURRENT FILING DATE: 2003-04-09
; PRIOR FILING DATE: 2003-04-09
; PRIOR FILING DATE: 2002-04-18
; PRIOR FILING DATE: 2002-04-18
; PRIOR FILING DATE: 2002-04-18
; PRIOR FILING DATE: 2002-04-18
; PRIOR FILING DATE: 2002-04-11
; PRIOR FILING DATE: 2001-10-11
; PRIOR FILING DATE: 2000-10-12
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 12

Query Match      31.1%; Score 354; DB 14; Length 850;
Best Local Similarity 41.6%; Pred. No. 2.2e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI-LEPASAKCEGFNFRMWMKAMIHMIKEINKRKDILPNI 111
Db 32 ILGLGLFPMHFGVTSKDQDLAARPESTECVRYNFRGFRWLQAMIFAIBEINNSSTLLPNI 91
QY 112 TLGYQIFDTCFTTISKSVEAVLVLTQOE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHPSTIAVVGASGSAVST 151
QY 167 PASRIILGLYLPQVGTSTCVILSDKYOPPSYLRVIASDKIOSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQPKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 14
US-10-125-792-8
; Sequence 8, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
; APPLICANT: MariCal
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-007
; CURRENT APPLICATION NUMBER: US/10/125,792
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 941
; TYPE: PRT
; ORGANISM: Salmo salar
; US-10-125-792-8

Query Match      31.1%; Score 354; DB 14; Length 941;
Best Local Similarity 41.6%; Pred. No. 2.5e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI-LEPASAKCEGFNFRMWMKAMIHMIKEINKRKDILPNI 111
Db 32 ILGLGLFPMHFGVTSKDQDLAARPESTECVRYNFRGFRWLQAMIFAIBEINNSSTLLPNI 91
QY 112 TLGYQIFDTCFTTISKSVEAVLVLTQOE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDNFCNCTDHPSTIAVVGASGSAVST 151
QY 167 PASRIILGLYLPQVGTSTCVILSDKYOPPSYLRVIASDKIOSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQPKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 15
US-10-125-792-10
; Sequence 10, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
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; APPLICANT: MariCal
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-007
; CURRENT APPLICATION NUMBER: US/10/125,792
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 941
; TYPE: PRT
; ORGANISM: Salmo salar
US-10-125-792-10

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Query Match      31.1%; Score 354; DB 14; Length 941;
Best Local Similarity 41.6%; Pred. No. 2.5e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIIDRTIPANESI-LEPASAKCEGFNPFQFRWKKMHIHKEINKRKDILPNI 111
Db 32 ILGLGLFPMHFGVTSKQDDLAARPESTECVRYNPRGFRWLQAMIFAEEINNSSTLLPNI 91

QY 112 TLGYQIFDTCFTISKVSEAVLVLTGOE--ENRPNFRNSTGAPPA--GIVGAGGSFLSV 166
Db 92 TLGYRIPTDNTVSKALEATLSFVAQNKIDSLNLDKFCNCTDHPSTIAVVGAGSNAVST 151

QY 167 PASRILGLYLPQVGYTSTCVILSDKYQFPSPYLRVIASDKIQSKAVVKRIQHF 219
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Search completed: February 16, 2005, 16:41:41
Job time : 33.0033 secs